

IN THE CLAIM

Pursuant to 37 CFR §121(c), the claim listing, including the text of the claims, will serve to replace all prior versions of the claims, in the application.

Please amend claims 1 and 22 and cancel claims 21, 25-26 and 28-29 without disclaiming their subject matter to read as follows.

1 1. (Currently Amended) A process for quantitating a human DNA in a sample, said
2 process comprising the steps of:

3 providing a sample to be analyzed;

4 amplifying predetermined genomic DNA of an *Alu* element subfamily by using primers,
5 said *Alu* element subfamily being more enriched in the human genome than in any non-human
6 primate genome, the amplification being intra-*Alu* polymerase chain reaction amplification, each
7 of said primers including a subfamily-specific diagnostic mutation, said *Alu* element subfamily
8 being Yb8 subfamily or Yd6 subfamily; and

9 measuring the amount of the human DNA by comparing the amplified DNA with a
10 reference to quantitate the human DNA in the sample.

1 2-4. (Canceled)

1 5. (Previously Presented) The process of claim 1, wherein the amplification is a
2 polymerase chain reaction with the primers containing the following sequences:

3 5' CGAGGCGGGTGGATCATGAGGT 3'(SEQ ID NO: 3)

4 and

5 5' TCTGTCGCCCAGGCCGGACT 3' (SEQ ID NO: 4).

1 6. (Previously Presented) The process of claim 1, wherein the amplification is a
2 polymerase chain reaction with the primers containing the following sequences:

3 5' GAGATCGAGACCACGGTGAAA 3' (SEQ ID NO: 5)

4 and

5 5' TTTGAGACGGAGTCTCGTT 3' (SEQ ID NO: 6).

1 7. (Previously Presented) The process of claim 1, wherein the measurement step
2 comprises the step of measuring the amount of the human DNA on an agarose gel stained with
3 ethidium bromide.

1 8. (Previously Presented) The process of claim 1, wherein the measurement step
2 comprises the step of measuring the amount of the human DNA by using a qPCR system.

1 9. (Previously Presented) The process of claim 1, wherein the measurement step
2 comprises the step of measuring the amount of the human DNA by using *TaqMan* chemistry.

1 Claims 10-20. (Canceled)

1 21. (Canceled)

1 22. (Currently Amended) A process for quantitating a human DNA in a sample, said
2 process comprising the steps of:

3 providing a sample to be analyzed;

4 amplifying predetermined genomic DNA of an *Alu* element subfamily by using primers,
5 each of said primers including a subfamily-specific diagnostic mutation, a copy number of said
6 predetermined genomic DNA in the human genome being higher than a copy number of said
7 predetermined genomic DNA in any non-human primate genome, the amplification being intra-
8 *Alu* polymerase chain reaction amplification, said *Alu* element subfamily being Yb8 subfamily
9 or Yd6 subfamily; and

10 measuring the amount of the human DNA by comparing the amplified DNA with a
11 reference.

1 23-24. (Canceled)

1 25. (Canceled).

1 26. (Canceled).

1 27. (Previously Presented) A process for quantitating a human DNA in a sample, said
2 process comprising the steps of:

3 providing a sample to be analyzed;

4 amplifying predetermined genomic DNA of an *Alu* element subfamily by using primers,
5 said *Alu* element subfamily ~~is~~ being Yd6 subfamily, said *Alu* element subfamily being more
6 enriched in the human genome than in any non-human primate genome, the amplification being
7 intra-*Alu* polymerase chain reaction amplification; and

8 measuring the amount of the human DNA by comparing the amplified DNA with a
9 reference to quantitate the human DNA in the sample.

1 28. (Canceled).

1 29. (Canceled).

1 30. (Previously Presented) A process for quantitating a human DNA in a sample, said
2 process comprising the steps of:

3 providing a sample to be analyzed;

4 amplifying predetermined genomic DNA of an *Alu* element subfamily by using primers,
5 said *Alu* element subfamily ~~is~~ being Yd6 subfamily, said predetermined genomic DNA including
6 subfamily-specific diagnostic mutations, a copy number of said predetermined genomic DNA in
7 the human genome being higher than a copy number of said predetermined genomic DNA in any

8 non-human primate genome, the amplification being intra-*Alu* polymerase chain reaction
9 amplification; and
10 measuring the amount of the human DNA by comparing the amplified DNA with a
11 reference.